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Nº 20,385

A.D. 1914



Date of Application, 1st Oct., 1914

NOV 16

Complete Specification Left, 31st Mar., 1915—Accepted, 1st Oct., 1915

PATENT OFFICE

PROVISIONAL SPECIFICATION.

An Improved Map.

I, ARCHIBALD MATEER, of Laragh Castle, County Wicklow, Ireland, Officer in His Majesty's Military Service, do hereby declare the nature of this invention to be as follows:—

This invention consists of an improved folded pocket map, having for its object to provide means by which the map can be more readily handled and used, and places or points of a town, district, or area, more readily found.

The map is cut from its upper, lower, and side edges, and along the folds of it, so that a section of the map, namely, that section which is required to be consulted or inspected, can be opened out, leaving the other sections folded 10 and closed; and thus it can be more conveniently used than it would be if the whole map had to be unfolded.

Furthermore, each of the sections between the cuts or divided parts referred to, may be divided up into areas by lines running vertically and laterally; and each section so subdivided, will be provided with a reference numeral by 15 means of which, and an index, the area and point required to be found can be easily and quickly done.

As an illustration, the cuts in a map, say of a town, may be in lines across the middle of the map, extending from the middle of its upper and lower, and its side edges, to the edges of the cover within which the map is ordinarily folded 20 and enclosed; and further, in such a case, when the map is opened, there will be four folded parts; two at the top, and two at the bottom; and any of these can be individually and readily opened out, being themselves folded in four, and each of these four sections or folded parts, can have an index symbol, corresponding with symbols used in the index, by which the main portion or area 25 in which the place being looked for exists, will be readily seen, and each of these areas being, as above stated, subdivided by lined or marked sub-sections or sub-divisions,—also indicated in the index—the particular point or area being looked for is readily found.

Dated this 30th day of September, 1914.

30

E. R. ROYSTON & Co.,
Applicant's Patent Agents,
Tower Building, Water Street, Liverpool, and
Donington House, Norfolk Street, London,

COMPLETE SPECIFICATION.

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An Improved Map.

I, ARCHIBALD MATEER, of Laragh Castle, County Wicklow, Ireland, Officer in His Majesty's Military Service, do hereby declare the nature of this [Price 6d.]

An Improved Map.

invention, and in what manner the same is to be performed, to be particularly described and ascertained in and by the following statement:—

This invention has reference to folding pocket maps wherein cuts are made along some of the division lines from the outer edges to an inner portion and partly separate portions of the map, and these partly separated portions are adapted to be folded separately and on to each other; and the object of the invention is to provide improvements in folding pocket maps.

The map according to this invention is cut from its upper, lower, and side edges, along the folds or divisions between the sections of it to an inner uncut portion so that a section of the map, namely, that section which is required to be consulted or inspected, can be opened out, leaving the other sections folded and closed.

Furthermore, each of the sections between the cuts or divided parts referred to, may be divided up into areas by lines running vertically and laterally; and each section so subdivided, will be provided with a reference numeral by means of which, and an index, the area and point required to be found can be easily and quickly done.

The map is illustrated in the accompanying drawings, in connection with which it will be further explained, and its manner of use described.

Referring to the drawings, and particularly in the first instance to Figures 1 to 3, the letters A, B, C, D, appearing on view (wherever they do appear) represent the main sections into which the map is divided; and the Figures 1, 2, 3 *etcetera*, represent the rectangular areas or subsections into which the main sections are divided, there being in the case shown, 24 subsections in each main section. The border lines of the sub-division are marked *x*.

The map as a whole has a single main fold; and Figure 2 shows it open along this fold or crease, marked *y*; and each of the sections A, B, C, D, folded completely.

Figure 3 shows the map as a whole completely folded and closed, the two main folds being folded one on the other.

Each main section is creased and adapted to unfold and fold in approximately four equal areas; one of which is shewn unfolded in Figure 1, while the dotted lines illustrate the unfolded positions of the remaining three folded sections. The lower inner quarter of section A, and the upper inner quarter of section C, are or lie on the face surface of the left hand cover of the map; and, similarly, the lower inner quarter of section B, and the upper inner quarter of section D, are or lie on the face surface of the right hand cover of the map.

The remaining three quarters of each of the sections A, B, C and D fold along vertical lines marked *z*, coincident, practically, with the vertical outside edges of the covers, and along horizontal lines marked *z'*, coincident, practically, with the horizontal edges of the cover; and the top and bottom half of the sections A, B and C, D, respectively, fold inwards on to the other halves of these sections; and the so folded outer halves of these sections fold inwards on to the then inner folded halves; and this is the condition of the map seen in Figure 2: the two halves of the map so folded at each side, then lying on and overlapping the areas of the two halves of the covers. By folding the two halves, the map is completely or entirely folded and closed.

The cover may be of any desired thickness and strength, either greater and stiffer than the map sheet itself, or of the same thickness and strength.

The map is used by first consulting the index or key which gives the names of streets, rivers, places, *etcetera* desired; and the section and sub-section or subsections in which it lies. The cover of the map is opened, and then the main section—A—B—C or D—indicated by the key is unfolded, and spread out, the rest of the main sections being left folded, such as shewn in Figure 1; and the place desired to be found will be found in the subsection indicated by

An Improved Map.

the index or key, which being so localized is readily done. Thus by only opening out one main section A—B—C or D, the place desired is found, so rendering the finding of places, and the use of the map generally, very convenient; while the inconvenience of opening out the whole map or sheet is avoided; and the convenience so afforded is especially serviceable and advantageous when using the map out of doors, when no flat surface is available on which to lay it, and it has to be held in the hand.

In some cases, if the street, river, road, or other thing, to be found, runs through more than one section and subsection, the index or key will give the various sections or subsections in which it exists and is to be found.

In Figure 1 the simple dotted lines indicate the sections as they would appear if all of them were spread out.

The folds or creases z and z' are preferably arranged so that the outer folds or portions are of slightly less width or depth, as the case may be, than those on which they fold; so that when folded the edges of the various folded parts will be clear of one another; that is they will not crowd one upon another, and so enable the folding to be effected without damaging the adjacent edges of the sections.

The above describes the case of a map which is completely comprised in four main sections; and it may be made of a convenient pocket size when folded.

The arrangement of map shown in and described with reference to Figures 4 and 5, is adapted to suit the case where it will be convenient or preferable to have a map with more than four sections; and in this case it—the map—will have two sets of four sections arranged and adapted to fold as described, identically with that shown in Figures 1 and 2; and each of these map portions will be held by its back edge to and in a cover or binding, and next which the back crease or fold y of each map portion comes; so that in general make up and appearance, the map would consist of two maps.

The main sections of the second map portion would be marked with letters E, F, G, H, or others, similarly as those of the first map portion, and the index or key will be furnished with indicia corresponding.

The whole area which the map two (or more) portions present, will be contiguous, each portion, when unfolded and laid fully out, being as indicated in Figure 5, which is a similar view to Figure 1, with the exception that all of the sections of one portion are shewn open in full lines, and all the sections divided into subsections.

While the arrangement of map shown in Figures 4 and 5 is in two separate portions, nevertheless it enables the right hand edge of section B of the left hand map portion, and the left hand edge of section E of the right hand map portion, to be placed together edge to edge, by folding the parts B and E back, and this enables the user to connect up, as it were, the section B with the section E, and thereby render the two portions in effect contiguous; this is illustrated in Figure 4. So that the direct connection and coupling up, as it were, of the two adjacent map portions, representing, practically, a continuous part 45 of the country at these parts, is furnished, equally as well as if the whole map were combined up in one continuous part or large sheet, as in an ordinary folded map.

In Figure 6 is given a view of the map from the top edge, when closed, from which it will be noticed that there are two separate foldings constituting the two map portions; and these two parts, marked n , p , respectively, are bound together by a binding q , along the central folds y described with reference to Figures 1 to 3.

With regard to the key or index, as stated it will be in alphabetical order; and opposite and in line with the names of the streets, places, *etcetera*, will appear the main sections, or subsections, in which the street, place or other thing to be found exists.

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The following are instances:—

Place, &c.	Section.	Sub-section.	
Abchurch Lane	B	4	
Bedford Square	B	6	
Chelsea Hospital	A	3	
Deptford Market	D	2, 3, 9.	5

Having now particularly described and ascertained the nature of my said invention and in what manner the same is to be performed, I declare that what I claim is:—

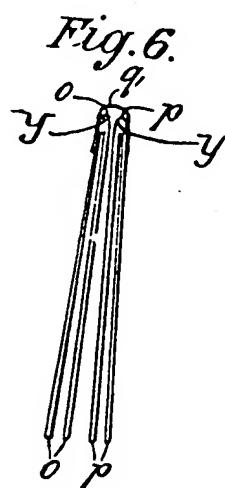
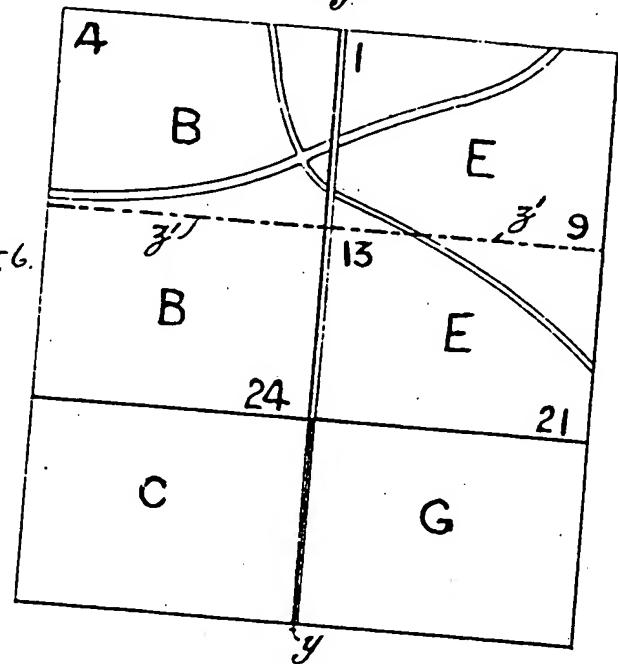
1. A map comprising a plurality of corresponding shaped sections adapted 10 to fold one on the other and having an inner uncut portion made up of some of the sections, and outer portions extending from and joined to or forming parts of the inner uncut portion and separated from each other by cuts extending inwardly from all the four edges along division lines between the sections from the outer edges of the outer portions to the inner uncut portion and made 15 up of the remainder of the sections; substantially as set forth.
2. A map comprising a plurality of sections of the same shape and size, some of which constitute an inner uncut centre portion and the remainder constitute outer portions on all sides of the uncut portion and form part of the inner uncut centre portion but are separated from each other by cuts which extend 20 inwards from the outer edges to the inner uncut centre portion along divisions between the sections of the outer portions; substantially as set forth.
3. A map comprising a plurality of sections partly separate from one another from the outer edges inwards, the parts so separated being adapted to fold 25 inwards, and wherein the complete map or portion of a map comprise four sections, the outer parts of which are partly separated from one another from the centres of the sides or edges of the map; and said separated parts are adapted to fold twice inwards upon an inner unseparated part; and the unseparated part is adapted to be folded when closing the map; substantially as described.
4. A map formed and adapted to be used substantially as set forth with 30 reference to the drawings.

Dated this 18th day of March, 1915.

E. R. ROYSTON & Co.,
Applicant's Patent Agents,
Tower Building, Water Street, Liverpool, and 35
Donington House, Norfolk Street, London.

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Fig. 4.



35
6
(2 sheets)
Sheet 2 = Fig. 4 & 6.

Fig. 5.

